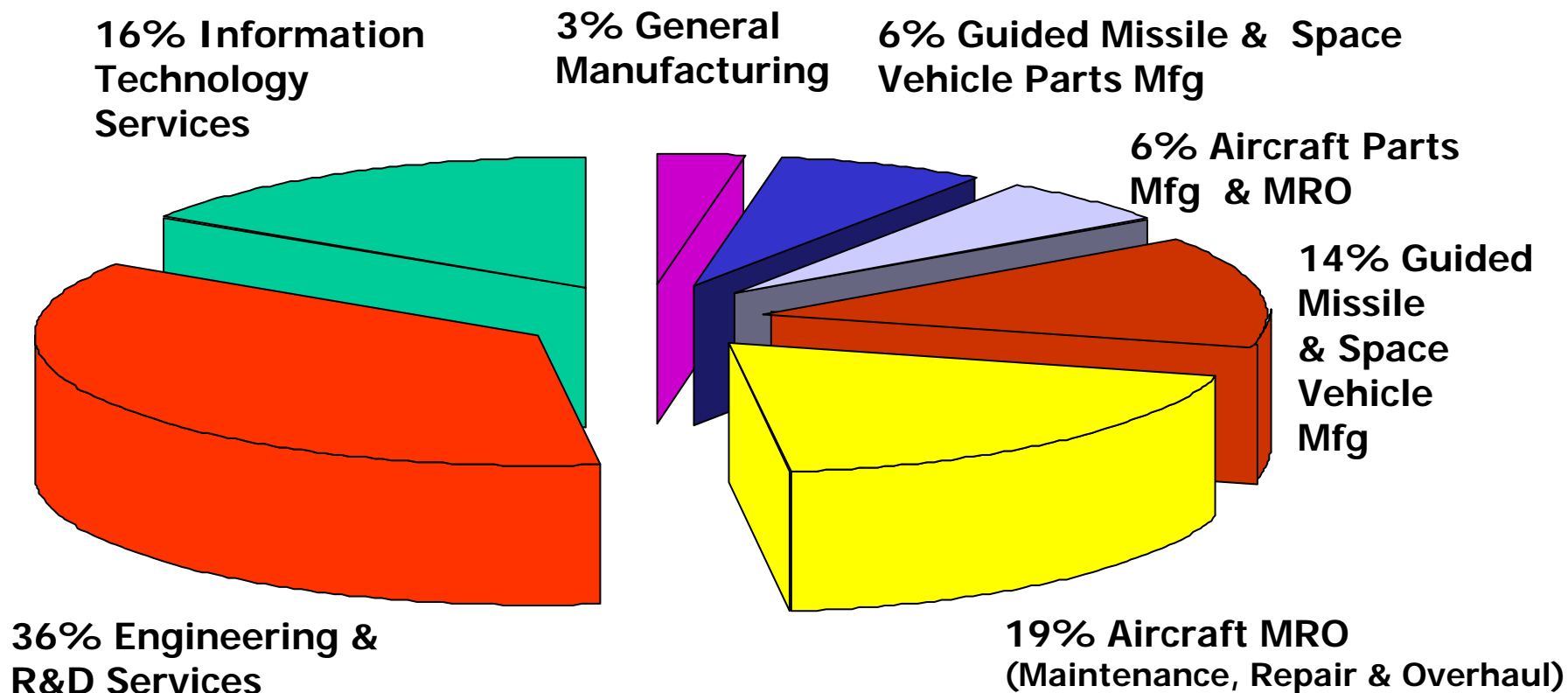


Alabama Aerospace Employment by Industry Sectors



aerospace employees = # total employees X aerospace % of total business

Industry Overview

Sector	Number of Companies	Number of Employees
General Manufacturing	30	1,070
Missile & Space Vehicle Parts Mfg.	18	2,367
Aircraft Parts MRO & Mfg.	20	2,248
Missile & Space Vehicle Mfg.	5	5,095
Aircraft MRO	6	6,831
Engineering & R&D Services	86	12,832
Information Technology Services	38	5,808

Sector: General Manufacturing

Supply fibers, plastic parts, metal workings, tools and dies, electronic components (SIC: 2823-3999 & NAICS: 325211-333299)

30 Companies; 1,070 Employees
49% Sales to Aerospace Industry

# Employees	% of Companies
1- 50	67%
51-100	13%
101-250	17%
>1000	3%

Major Job Categories

- 64% production operators
- 11% technicians
- 8% engineers
- 8% administrators

41% of companies have federal contracts

- Primarily Subcontracts
- Primarily Army & other DoD

Sector: Missile & Space Vehicle Parts Manufacturing

Manufacture guided missile and space vehicle parts
(SIC: 3764, 3769, 3795 & NAICS: 336415, 336419, 336992))

18 Companies; 2,367 Employees
88% Sales to Aerospace Industry

# Employees	% of Companies
1- 50	50%
51-100	11%
101-250	28%
251-500	11%

Major Job Categories

- 68% production operators
- 5% technicians
- 10% administrators
- 5% engineers

100% of companies have federal contracts

- ~ ½ subcontracts & ½ prime
- Primarily Army & other DoD

Sector: Aircraft Parts Manufacturing

Manufacture and overhaul aircraft parts including engines
(SIC: 3724, 3728 & NAICS: 336412, 336413))

20 Companies; 2,248 Employees
96% Sales to Aerospace Industry

# Employees	% of Companies
1- 50	55%
51-100	10%
101-250	15%
251-500	15%
501 - 1000	5%

Major Job Categories

- 45% production operators
- 30% technicians
- 15% administrators
- 4 % engineers

74% of companies have federal contracts

- ~ ½ subcontracts & ½ prime
- Primarily Army, AF & other DoD

Sector: Missile & Space Vehicle Manufacturing

Manufacture guided missiles, space craft, drones, UAVs, etc.
(SIC: 3671 & NAICS: 336414) [unique vehicles, prototypes, small quantities]

5 Companies; 5,097 Employees
100% Sales to Aerospace Industry

# Employees	% of Companies
251 - 500	40%
501 - 1000	40%
>1000	20%

Major Job Categories

- 10% production operators
- 8% technicians
- 20% administrators
- 45 % engineers

100% of companies have federal contracts

- Majority are prime contracts
- Primarily Army, AF, SMDC & NASA

Sector: Aircraft MRO

Major maintenance, repair, overhaul, (MRO) and conversions of airplanes and helicopters (SIC: 3721 & NAICS: 336411)

6 Companies; 6,831 Employees
100% Sales to Aerospace Industry

# Employees	% of Companies
101 - 250	33%
501 - 1000	17%
>1000	50%

Major Job Categories

- 80% production operators
- 2% technicians
- 13% administrators
- <1% engineers

60% of companies have federal contracts

- Majority are prime contracts
- Primarily Army

Sector: Engineering & R&D Services

Apply engineering principles and conduct R&D to solve a wide range of aerospace challenges
(SIC:8711, 8731 & NAICS 541330, 541701)

86 Companies; 12,832 Employees
94% Sales to Aerospace Industry

# Employees	% of Companies
1-50	53%
51-100	16%
101-250	15%
250-500	7%
>500	8%

Major Job Categories

- 30% engineers
- 15% Software engineers
- 10% computer scientists
- 9% mathematicians & scientists

90% of companies have federal contracts

- Majority are prime contracts
- Army, NASA, DoD, SMDC

Sector: Information Technology (IT) Services

Provide computer programming, systems design, networking and other computer related services

(SIC: 7371, 7373, 7379 & NAICS 541511, 541512, 541519)

38 Companies; 5,808 Employees
91% Sales to Aerospace Industry

# Employees	% of Companies
1-50	63%
51-100	13%
101-250	16%
250-500	3%
>500	6%

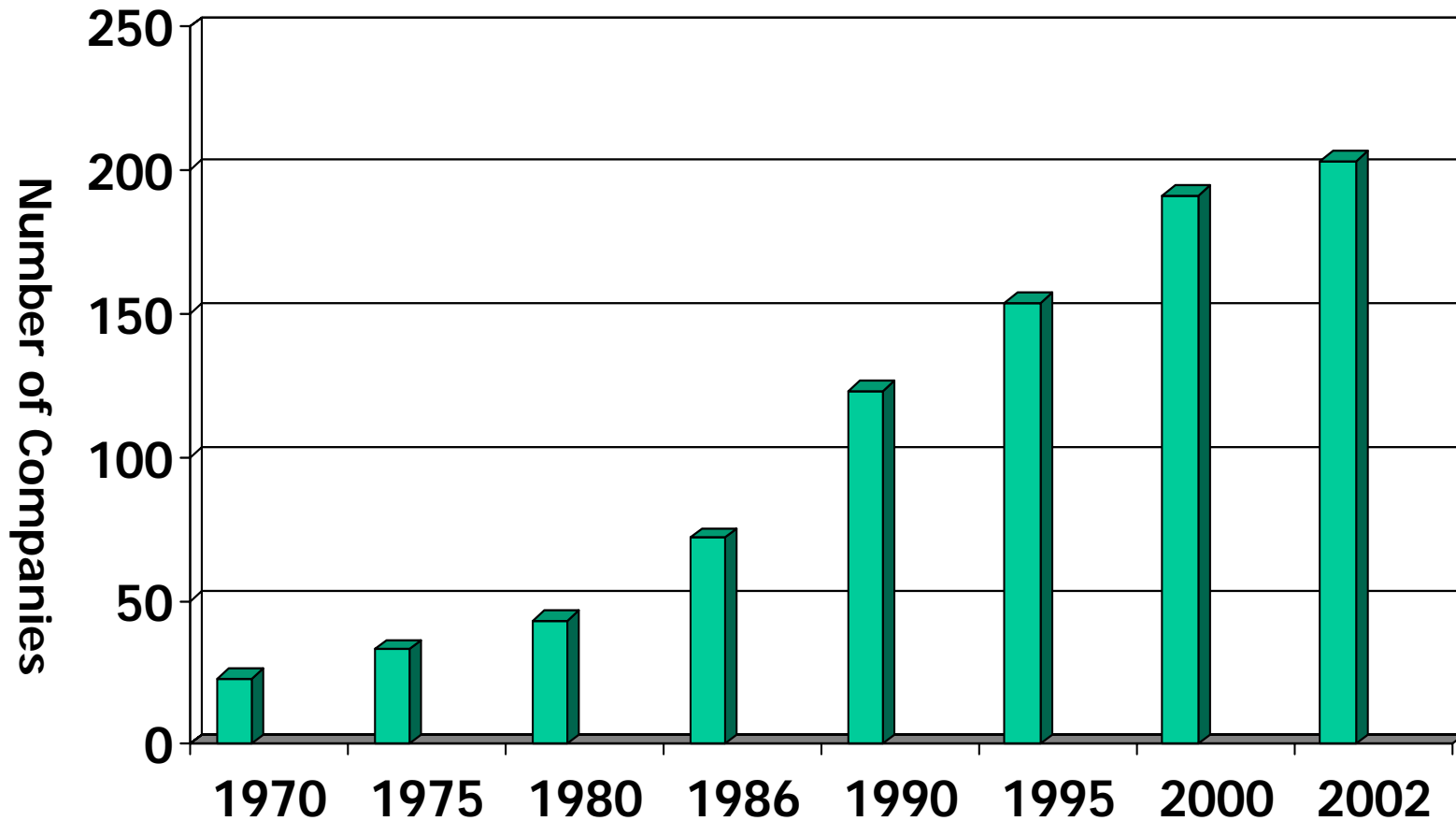
Major Job Categories

- 41% Software engineers
- 20% computer scientists
- 13% technicians
- 11% engineers

89% of companies have federal contracts

- Majority are prime contracts
- Army, AF, NASA, DoD, SMDC

Development of Alabama's Aerospace Industry



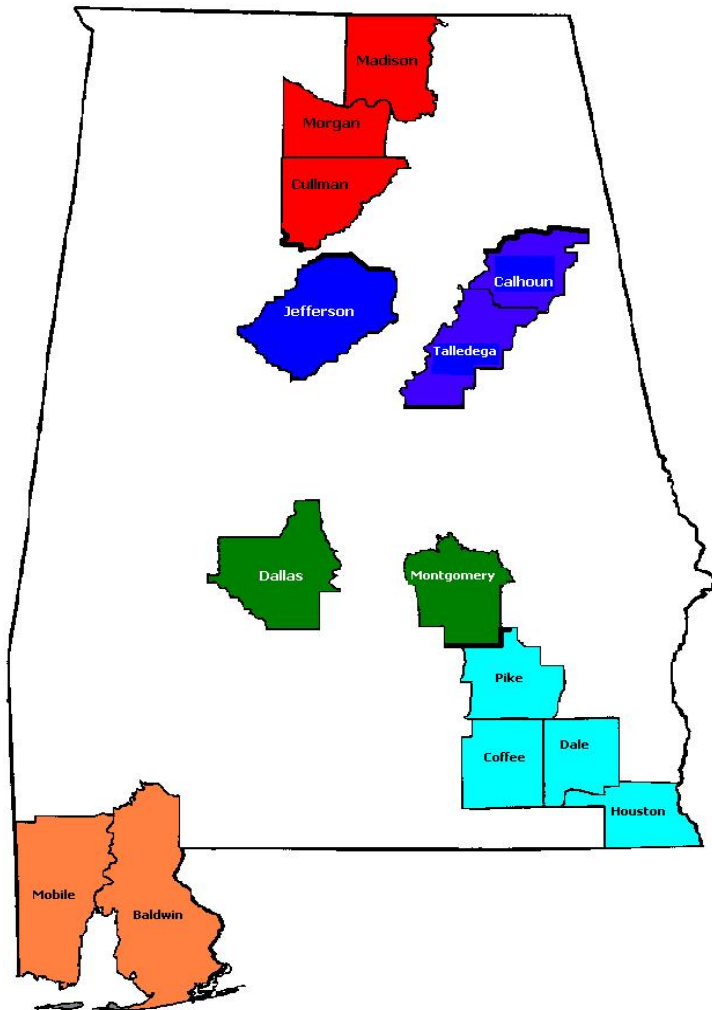
Job Categories

Job Category	Number of Jobs	Percent of Total
Production	8,435	23%
Engineer	5,896	16%
Administration	3,835	11%
Software Engineer	3,518	10%
Technician	3,057	8%
Computer Scientist	1,799	5%
Clerical	1,161	3%
Scientist or Mathematician	1,065	3%
Sales	419	1%
Unreported	7,068	19%

Five Major Aerospace Regions

Counties with 100+ Aerospace Jobs

Private Sector



Region #1

(Madison, Morgan, Cullman Counties)
66.7% of total aerospace jobs in the state

Region #2

(Calhoun, Jefferson, Talladega Counties)
5.7% of total aerospace jobs in the state

Region #3

(Montgomery, Dallas Counties)
8.0% of total aerospace jobs in the state

Region #4

(Dale, Pike, Coffee, Houston Counties)
12.3% of total aerospace jobs in the state

Region #5

(Mobile, Baldwin Counties)
6.7% of total aerospace jobs in the state

Rest of State

<1% of total aerospace jobs in the state

Jobs by Industry Sector

(100+ Aerospace Jobs)

	Region #1	Region #2	Region #3	Region #4	Region #5
General Mfg.	597	176			
Missile & Space Vehicle Parts	2,217	150			
Missiles & Space Vehicles	4,707		132	258	
Aircraft Parts	654	394	140	217	843
Aircraft MRO		1,350		3,981	1,500
Eng Services	12,832				
IT Services	3,175		2,633		

Private and Federal Sector Aerospace Direct Jobs

	Counties	Private Sector Jobs	Federal Aerospace	Federal Jobs	Total Direct Jobs
Region 1	Madison, Morgan, Cullman	24,182	Redstone Arsenal	15,789	39,971
Region 2	Calhoun, Jefferson, Talladega	2,070			2,070
Region 3	Montgomery, Dallas	2,905	Maxwell/ Gunter AFB	9,190	12,095
Region 4	Pike, Henry, Dale, Houston	4,456	Fort Rucker	11,800	16,256
Region 5	Mobile, Baldwin	2,343			2,343
Rest of State		297			297
TOTAL DIRECT JOBS		36,253		36,799	73,032

Private and Federal Sector Aerospace Total Jobs

(Including multiplier jobs)

	Counties	Private Sector Jobs	Federal Aerospace	Federal Jobs	Totals
Region 1	Madison, Morgan, Cullman	51,374	Redstone Arsenal	24,094	75,468
Region 2	Calhoun, Jefferson, Talladega	6,125			6,125
Region 3	Montgomery, Dallas	4,981	Maxwell/ Gunter AFB	14,024	19,005
Region 4	Pike, Henry, Dale, Houston	13,185	Fort Rucker	18,007	31,192
Region 5	Mobile, Baldwin	6,933			6,933
Rest of State		879			879
TOTALS		83,476		56,125	139,601